Novra S75+ DVB-S Data Receiver/Router

Overview

Novra's second generation S75+ DVB-IP Data Receiver brings superior throughput performance and flexibility to a very cost-effective solution. The S75+ has been designed to enable delivery of the next generation of IP-based satellite broadband services directly to your LAN.

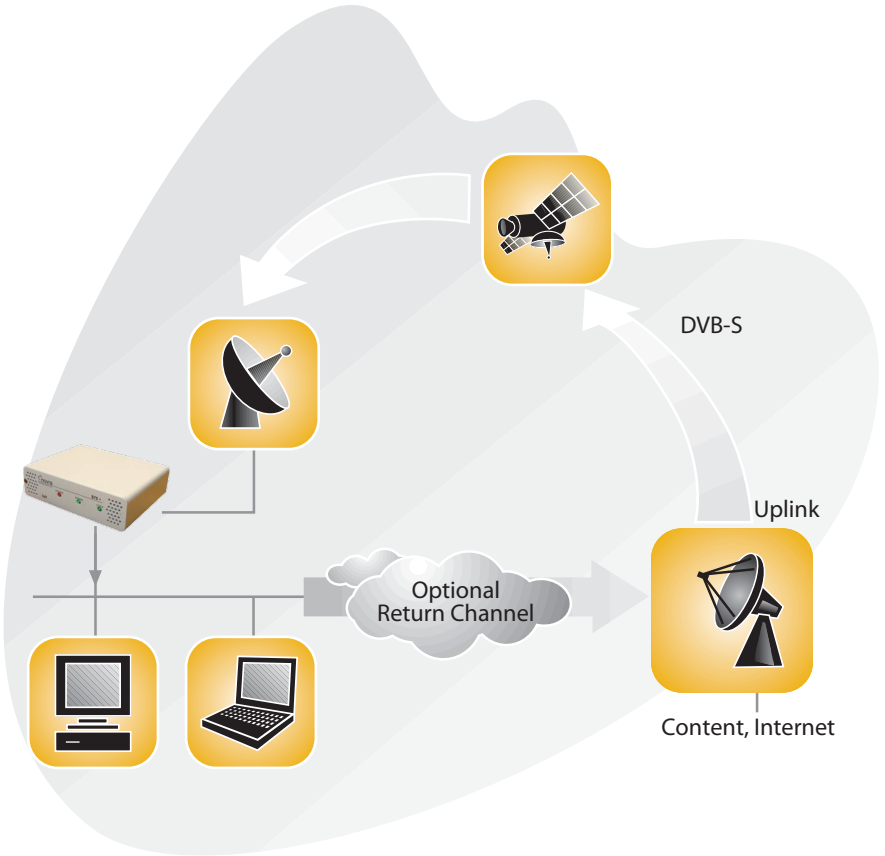
Its RJ45 Ethernet connection provides powerful and distinct installation, performance, and maintenance advantages over other form factors. Installation of the S75+ is easy and non-invasive, as the host machine does not need to be opened, nor are any drivers required. The S75+ works with any operating system and makes the received data available to any host on the LAN.

Applications

The S75+ is perfectly suited for consumer or small-medium enterprise use, delivering IP-based applications over satellite such as IPTV content delivery, weather imaging and data, distance education, digital signage, file distribution, and Internet over satellite to a single computer or to a network of computers.

Features

- Compatible with TCP/IP Protocol Suite
- DVB Compliant
- 70 Mbps Sustained Throughput
- RJ45 10/100 Base-T Ethernet Interface
- Application Transparent
- Small Footprint
- IGMP
- Downloadable Firmware
- Optional Fixed Key Conditional Access
- For Delivery of MPEG Video services (refer to S75-Pro Brochure)



novra TECHNOLOGIES INC.

For additional information or details on Novra's product offering, please contact us at:
North American Headquarters 900 - 330 St. Mary Avenue, Winnipeg, MB Canada R3C 3Z5
t. 204.989.4724 f. 204.989.4640 e. info@novra.com w. www.novra.com

Technical Specifications Novra S75+ Receiver /Router

RF Tuner
- Receiving Frequency: 950 to 2150 MHz
- Frequency Acquisition: ± 50% Symbol Rate up to ±10 MHz
- Input Signal Level: -65 dBm to -25 dBm

QPSK
- Symbol Rate: 1.5 to 45 Msps
- Data Rate: 70 Mbps
- Root-Raise Cosine Filter with Roll-off 0.35
- DVB Signalling

FEC
- Decoding: Viterbi/Reed-Solomon
- Viterbi Inner Code: K=7, R=1/2, 2/3, 3/4, 5/6, 7/8 (Auto Detection)
- Reed-Solomon Decoding: 204, 188, T=8
- Deinterleaving: Interleaving Depth=12

LNB Power and Control
- LNB Supply Voltage: Selectable 13/18V, 11/15V or off
- LNB Supply with selectable long line compensaton
- LNB Control: Selectable 22 kHz, 44 KHz or off
- LNB Supply Current: 400 mA with Short Circuit and Surge Protection

Configuration
- IP Address Configuration
- PID Selection
- LNB Power
- Transponder Settings: Symbol Rate, Frequency, Polarization, Band, Power
- Management Console Application Available as an Executable for MS Windows
- Static and Dynamic Library available for OEM Configuration Console

Status Monitoring
- Signal Strength
- Signal Lock, Data Lock
- Error status: Viterbi BER, Uncorrectable Errors

Operating Systems
- Once Configured, is OS Independent

Status Indicators
- Power: Red LED
- Signal: Green LED
- Lock: Green LED
- Ethernet Link and Transmit

Hardware Capabilities
- Multiprotocol Encapsulation (MPE)
- PID Filters: 16
- Internal Hardware Watchdog
- Non-Volatile Configuration Storage
- Remote firmware download

Physical Interfaces
- RF Input Connector: F-Type, 75 ohms
- Ethernet 10/100 Base-T LAN Interface: RJ-45

Physical/Environmental
- Height: 1.41 in (3.58 cm)
- Width: 5.22 in (13.27 cm)
- Depth: 4.10 in (10.41 cm)
- Weight: 0.38 Kg
- Operating Temperature: 0C to 40C
- Storage Temperature: -55C to 85C
- Operating Humidity: 10 to 90% Non-Condensing

Standards/Regulatory
- UDP/TCP/IP Protocol
- IP Multicast
- IGMP: V1.0, V2.0
- ETSI 301.192 DVB
- ISO/IEC 13818-1
- ISO/IEC 13818-6
- IEEE 802.3
- FCC/Industry Canada
- CE
- Emission EN 55022
- Immunity EN 55024
- Safety EN 60950

Other S75 Models
- S75-Pro: DVB-S IP/MPEG Data Receiver
- S75CA: DVB-S IP/MPEG Data Receiver with CI Slot

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Printed in Canada, September 2008, Rev 2.00